

**ABSTRACT**

The invention relates to a device (D) for dispensing parts (R), e.g. rivets, which are delivered at the outlet of a storage means such as a vibrating bowl (100), said outlet (110) comprising a displacement path for the parts (R). The inventive device is characterized in that it comprises: a command unit (200) which authorises the individual passage of parts (R) being delivered by the storage and dispensing means (100) into a conduit (C), a control unit (300) which orients each part (R) passing through the conduit (C), and a suction means which is intended to drive the already-moving parts (R) individually into the conduit by accelerating the part (R) which is most affected by the vacuum. The invention also relates to the corresponding operating method and to the vibrating bowl which is adapted to one such device. The invention is suitable for dispensing parts such as rivets.